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- (71) Applicant (for all designated States except US):  
**TRUSTEES OF BOSTON UNIVERSITY** [US/US];  
One Sherborn Street, Boston, MA 02215 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **EISENBERG, Solomon, R.** [US/US]; 32 Nonantum Street, Newton, MA 02458 (US). **MOCANU, Daniel** [RO/RO]; Calea Calarasilor Bl. 20B, Ap. 50, R-6100 Braila (RO).
- (74) Agents: **GAGNEBIN, Charles, L., III** et al.; Weingarten, Schurgin, Gagnebin & Lebovici, LLP, Ten Post Office Square, Boston, MA 02109 (US).

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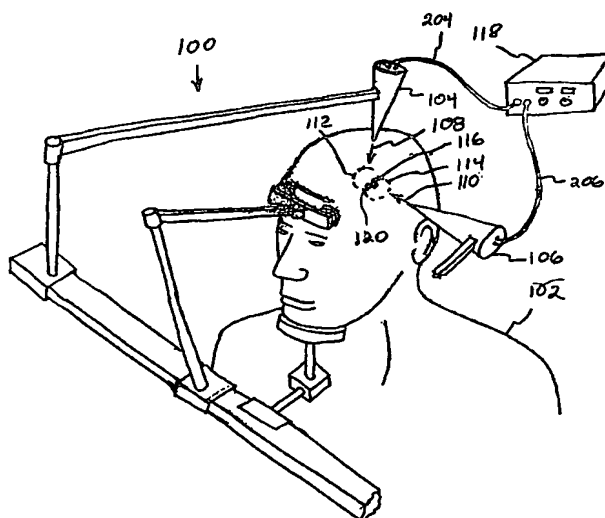
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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,

[Continued on next page]

(54) Title: MAGNETIC STIMULATOR



(57) Abstract: At least two coils (104, 106) deliver at least two time-varying magnetic fields (108, 110) to a target region within a body. The coils (104, 106) oriented such that the magnetic fields (108, 110) create intersecting electric fields (112, 114) in the target region. The magnetic fields (108, 110) operate at different frequencies and thus produce a beat frequency signal where the electric fields (120) intersect (116). The frequencies are chosen so a time-varying electric field (120), or a current induced by a time-varying magnetic field (108, 110), alternating at the beat frequency would stimulate excitable tissue located in the target tissue. Some embodiments utilize a novel coil (1202), which includes a first conductor (1206) and at least one second conductor (1212) electrically connected to the first conductor (1206) at a point (1210).



EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ,

SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 600/013

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,738,625 A (Gluck) 14 April 1998 (14.04.1998), See whole document.	1-93
A	US 6,402,678 B1 (Fischell et al.) 11 June 2002 (11.06.2002), See whole document.	1-93
A	US 5,441,495 A (Liboff et al.) 15 August 1995 (15.08.1995), See whole document.	1-63



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"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family	

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
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Facsimile No. (703)305-3230

Authorized officer

Nikita R Veniaminov

Telephone No. (703) 308-0858